

CNC Spring Making Machine

七轴数控弹簧成形机

型号: CK740

机器特点

7轴数控弹簧机有7套伺服电机, 完全抛弃了繁琐的凸轮变径机构, 由数控系统直接控制弹簧外径和变径, 弹簧旋向转换只需控制系统调整, 不需更换机械变径刀座; 辅助芯刀上下移动由伺服电机控制, 使芯刀移动精度高, 又方便, 且辅助芯刀与切刀能连体移动, 变换弹簧外径不需调整切刀位置就能保持辅助芯刀与切刀的最佳位置; 直切、对切、摆切、扭切功能齐全; 新工人易学易懂。控制系统匹配远程互联网络接口, 软件具有图示化自动编程模板, 输入所需数值后系统自动生成弹簧程序, 略加修改就可完成所需卷制的弹簧。可配备影像检测仪。

技术参数 Specification

型号 Model	CK740	
Servo Axes 伺服轴数	7	
Wire Diameter 线径范围(mm)	1.0-4.0	
Outside Diameter 最大外径(mm)	70	
Wire Feed Length 送料长度	Limitless 无限	
Wire Feed Speed 送料速度(m/min)	0-127	
Production Rate 生产速度(pcs/min)	≤200	
Left or Right Winding Rate 左右旋绕比(Dm/d)	3	
Wire Feed Cam 送料轮(组)	3	
Wire Feed Axis 送料轴(kw)	5.5	
Diameter Axis 外径轴(kw)	1.5KW x 2	
Pitch Axis 节距推刀轴(kw)	1	
Upper Cutting Axis 上切刀轴(kw)	2.7	
Lower Cutting Axis 下切刀轴(kw)	2.7	
切断机构升降轴	1	
Servo Motor 伺服马达总动力(kw)	15.9	
Dimensions 机器尺寸	长L(mm)	1600
	宽W(mm)	1200
	高H(mm)	1850
Machine Weight 机器重量(kg)	1650	

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Machine Features

The 7-axis CNC spring machine has 7 servo motors, completely abandoning the cumbersome CAM mechanical coiling axis slider; by the CNC system directly control the outside diameter of the spring and the diameter, the spring rotation only needs to use the control system to adjust, do not need to change the mechanical reducer. The up and down movement of the auxiliary core cutter is controlled by the servo motor, which makes the core cutter move with high precision and convenience. Moreover, the auxiliary core cutter and the cutter can be moved together, and the optimal position of the auxiliary core cutter and the cutter can be maintained without adjusting the position of the cutter when changing the outside diameter of the spring; straight cutting, opposite cutting, swing cutting, twisting cutting functions are complete; new workers are easy to learn and understand. the control system matches the remote interconnection network interface, and the software has a graphical automatic programming template, and the system automatically generates a spring after inputting the required value. The program, with a few modifications, completes the spring that needs to be rolled. Can be equipped with an image detector.



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发明专利技术

Invention patent technology

